



# Subsurface Systems Bureau

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# Env Ws 1005.12

1005.12); ss by #7079, eff 8-26-99

## Env-Ws 1005.12 Recreational Campgrounds.

- (a) Each site within a recreational campground at which pressurized potable water hook-ups are available, that is used by the same recreational vehicle for a period of more than 3 consecutive weeks shall be provided with an on-site sewage collection system, which shall convey the sanitary wastes to either an on-lot or off-lot septic system approved by the department in accordance with these rules.
- (b) Each site-within a recreational campground at which pressurized potable water hook-ups are available, that is used by the same recreational vehicle for a period of 3 consecutive weeks or less, shall not require an on-site sewage collection system, provided that sanitary service stations, sanitary service vehicles, and/or rest rooms are available at the campground to handle the disposal of all wastewater.
- (c) At sites where no pressurized water is provided the campground shall provide means of sanitary waste disposal such as sanitary service stations, sanitary service vehicles, and/or comfort stations.
- (d) As of September 5, 2000, recreational campgrounds in existence prior to September 5, 1990 shall comply with Env-Ws 1005.12 (a), (b), and (c).
- (e) Subdivision plans for recreation campgrounds shall be submitted in accordance with Env-Ws 1003.

Source. (See Revision Note at chapter heading for Env-Ws 1000) #4926, eff 9-5-90; ss by #6329, INTERIM, eff 9-6-96, EXPIRED 1-4-97

New. #6421-A, EMERGENCY, eff 1-7-97, EXPIRES: 5-7-97; ss and moved by #6451, eff 2-8-97 (from Env-Ws 1005.13); ss by #7079, eff 8-26-99

## 3 week rule

- Each site within a recreational campground at which pressurized potable water hookups are available and which is used by the same RV for a period of more than 3 consecutive weeks ...
- Shall be provided with an on site sewage collection system, ...

- Which will convey the sanitary wastes from the RV to an either on lot or off lot septic system approved by DES.
- If less than 3 weeks, an on-site collection system is not required if ...

- The campground has:
  - Sanitary service stations.
  - Sanitary service vehicles.
  - And/or restrooms are available to handle the disposal of all wastewater.

# 10-year period to comply

- In 1990, regulation came into effect, gave campgrounds 10 years to comply.
- Subdivision plans for recreational campgrounds shall be submitted in accordance with (formally) Env Ws 1003 Now Env. Wq 1003.

# Types of systems

- Stone and pipe individual sewage disposal systems full size 4' above SHWT
- Geo flow pipe 3' above shwt + size reduction
- Enviro septic 2.5' above shwt + size reduction





# Presby Enviroseptic curved/serial



# Differential venting pump systems



# Presby Maze 25% reduction in EDA



# Infiltrator chambers



# Food Services, Grease Trap Required



# Treatment Septi tech



Clean solution (removes nitrates)  
smaller EDA





# Perc Rite drip dispersal system



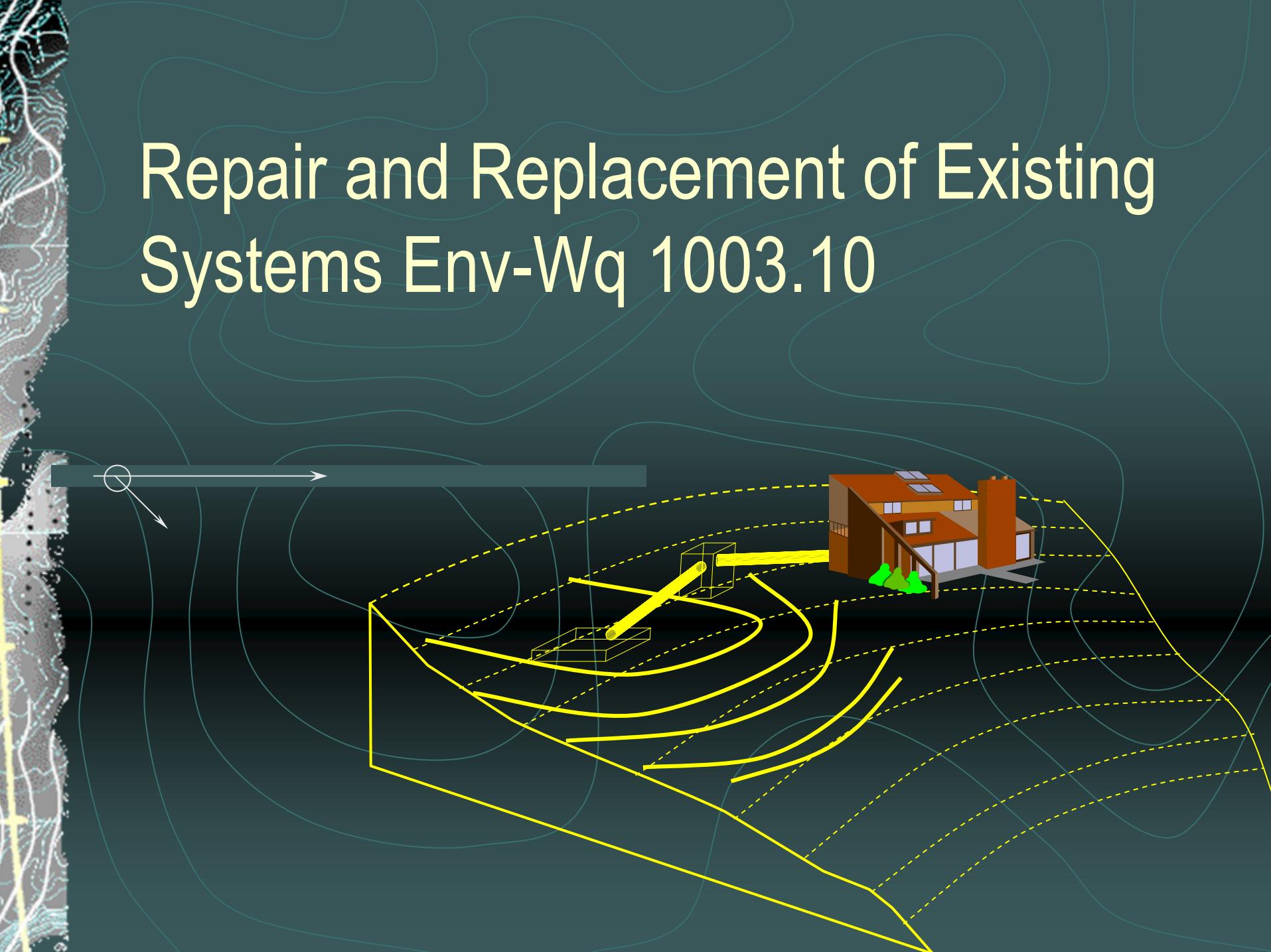
# REPAIR / REPLACEMENT

- IF A SYSTEM NEEDS REPLACEMENT IN A CAMPGROUND, IT NEEDS A CONSTRUCTION APPROVAL.
- REPAIR AND REPLACEMENT CANNOT BE USED SINCE IT IS COMMERCIAL.

# EXPANSION ENV-Wq 1002.29

- "Expansion" means an increase in the design flow, based on Env-Wq 1008.03, over
  - the existing design flow for an existing structure or an increase in the size of the footprint or **ridgeline** of an existing or former structure.
  - So if more sites are added or the flow is increased new plans are required.

# Repair and Replacement of Existing Systems Env-Wq 1003.10



# REPLACEMENT OF SYSTEMS IN FAILURE PUMPING REQUIRED

- (a) The owner of an ISDS in failure as defined in RSA 485-A:2, IV shall cease using the EDA so as to prevent any wastewater from flowing onto or into the ground or to the EDA, either by vacating the premises served by the ISDS or by having a licensed septage hauler pump out the septic tank at sufficient frequencies to prevent wastewater from otherwise exiting the septic tank. If the owner elects to pump the tank in lieu of vacating the premises, the owner shall so notify the department and the local health officer and retain all pumping receipts for inspection by department staff or the health officer.

# For property in the protected shoreline

- No structure shall be replaced, relocated, or expanded without the owner first determining that such replacement, relocation, or expansion will not violate RSA 483- B.
- The Comprehensive Shoreline Protection Act

# Design flow figures changes

- Campground with central comfort station
- 45 GPD/site plus 20 GPD for dump station
- Recreational Campgrounds with 3-way hookups  
60 GPD /site used to be 90 GPD/ site

Env-Wq 1008.04 Minimum Distances.

(a) The minimum separation distance in feet between components of an ISDS and the identified receptors shall be as specified in Table 1008-2, subject to the provisions of (b) through (h), below:

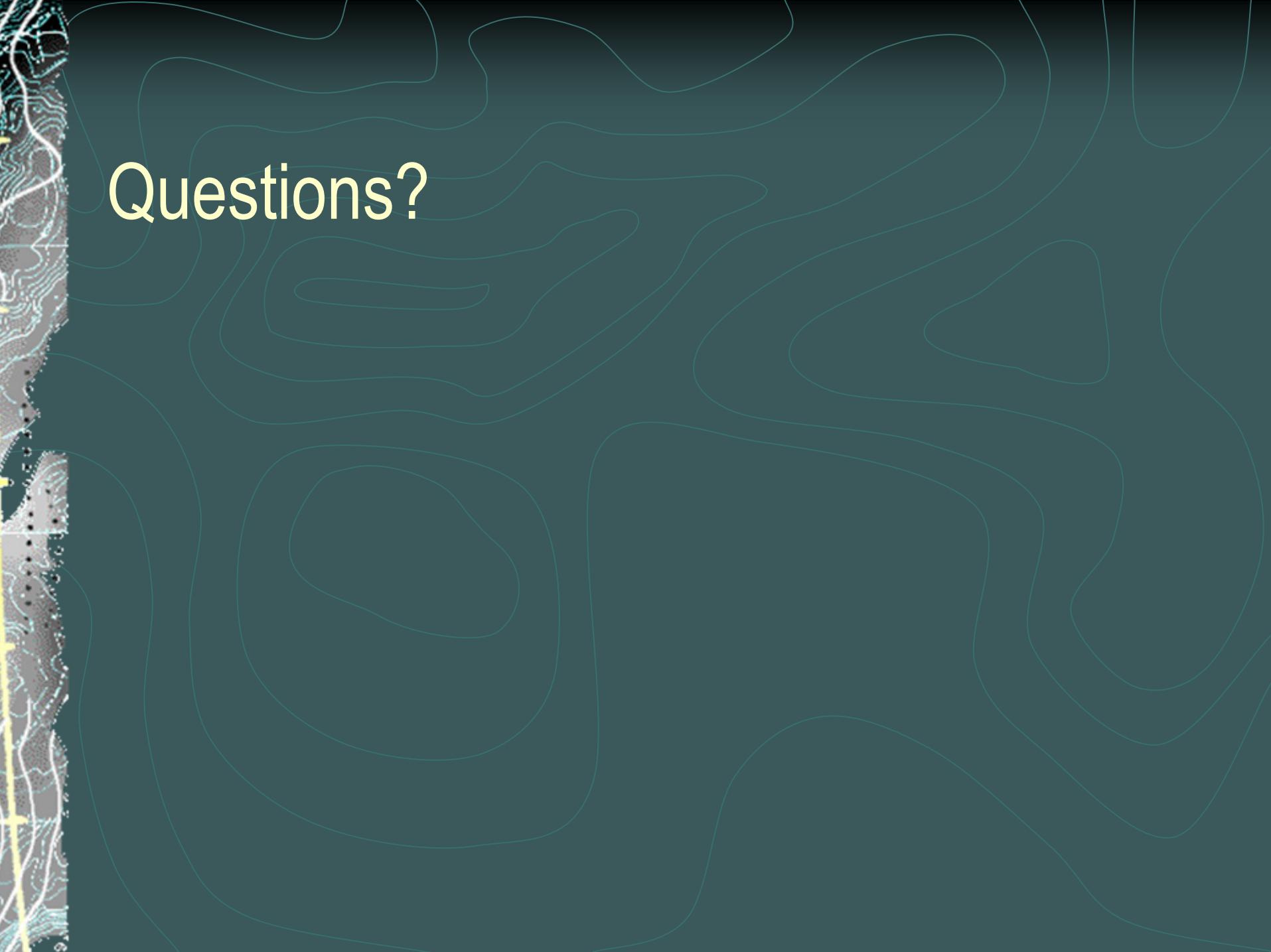
Table 1008-2 Minimum Separation Distances (in Feet)

<b>Receptor↓ Component→</b>	<b>Septic Tank</b>	<b>Effluent Disposal Area</b>	<b>Sewer Line</b>
Surface Water	75	75	
Poorly Drained Jurisdictional Wetland	50	50	
Very Poorly Drained Jurisdictional Wetland	75	75	
Open Drainage	75	75	
Culvert, Tight Pipe	10	25	
Culvert Opening	50	75	
Catch Basin	35	35	
Interceptor Drains Below Finished Grade of Effluent Disposal Area	10	25	10
Interceptor Drains Above Finished Grade of Effluent Disposal Area	10	10	5
Private Wells, on-site	75	75	
Private Wells, off-site	75	75	
Community Wells	200	200	

Reservoirs	75	75	
Municipal Wells	400	400	400
Water Lines, pressure	10	25	10
Water lines, suction	50	50	50
Property lines	10	10	10
Foundation, any type, with Foundation Drains	5	15	
Foundation, full cellar, without Foundation Drains	5	10	
Foundation, slab, without Foundation Drains	5	5	
Foundation Drains Outfall Pipe (Solid)	5	5	
Foundation Drain Outfall (Discharge)	25	25	
Top of Natural Embankment or Natural Steep Slope	5	20	

# Septic tank rules

- (3) At a depth of no more than 6 inches below finished grade.
- (b) Both the inlet and the outlet baffles shall be accessible.
- (c) A septic tank with an effluent filter shall have a riser which extends to finished grade.
- (d) The bottom of the septic tank shall not be more than 15 feet below the grade of the area where the septage pumping truck will park when the tank needs to be pumped out.
- (e) Septic tanks shall be accessible by truck to within 125 feet of the nearest road or driveway.



# Questions?